

KLIPPON K31 EX RAL7001**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Similar to illustration**

The aluminium Klippon® K enclosures are suitable for use in an extremely wide range of different areas. Various components can be installed inside the enclosures, and will benefit in particular from the high temperature resistance, the excellent IP protection and the good impact resistance.

No matter what kind of application the customer is planning, Weidmüller is able to provide a wide range of aluminium enclosures precisely fitting the customer's requirements.

Klippon® K enclosures for hazardous areas are available on request.

Our extensive product range offers the following advantages:

- Available in two surface finishes: natural and powder-coated (RAL 7001)
- With chloroprene moulded seal as standard (silicone moulded seal optionally available)
- Standardised closure system with Torx slotted screw head for 19 enclosure sizes
- Mounting holes outside of the gasket area
- High IP protection classes: IP66, IP67 and IP68 according to DIN EN 60529
- Impact resistance of up to 7 (10) Joules
- The enclosures are approved according ATEX, IECEx, cULus, and DNV GL as well as the empty enclosure standard.

- Suitable for railway applications according to EN 45545-2:2013
- Alloy is resistant to salt water
- Standardised distributor enclosures with threaded holes and a variety of terminal configurations

General ordering data

Version	Klippon K (aluminium empty enclosure), Empty enclosure, Aluminium enclosure, Height: 80 mm, Width: 175 mm, Depth: 57 mm, Material: Aluminium AISi12, Powder-coated, Silver grey
Order No.	1329680000
Type	KLIPPON K31 EX RAL7001
GTIN (EAN)	4050118133899
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Depth	57 mm	Depth (inches)	2.244 inch
Height	80 mm	Height (inches)	3.15 inch
Width	175 mm	Width (inches)	6.89 inch
Mounting dimension - height	52 mm	Mounting dimension - width	163 mm
Net weight	622 g		

Temperatures

Operating temperature	-60 °C...135 °C
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Cable glands, left

M12	2	M16	2
M20	1		

Cable glands, right

M12	2	M16	2
M20	1		

Cable glands, top/bottom

M12	9	M16	6
M20	4	M25	3

Certificate numbers enclosure

Approval conditions	DNV, GL, RMRS, ATEX, IE-CEX, UL AEx Class Div., CCC, INMETRO	Attestation of Conformatiy No. (AoC)	DE PS24 10 160308 001ISS01
Certificate No. (ATEX)	IBEXU12ATEX1145X	Certificate No. (IECEX)	IECEXIBE13.0002X
Certificate no. Terminal Box (ATEX)	IBEXU12ATEX1145 X	Certificate no. Terminal Box (IECEX)	IECEX IBE 13.0002X
Certificate no. Terminal Box (INMETRO)	LMP 23.0527X	Certificate no. empty enclosure (ATEX)	IBEXU12ATEX1144 U
Certificate no. empty enclosure (IECEX)	IECEX IBE 13.0001U	Certificate no. empty enclosure (INMETRO)	LMP 23.0526U
Declaration of Conformatiy No. (DoC LVD)	DE_PS2410_160412_001ISS01		

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Technical data

General information

Access opening: height	72 mm	Access opening: width	167 mm
Areas of use	Explosive risk zone, Process industry, Transportation, Packaging industry, Marine engineering, Machine construction, Harbour facilities	Enclosure attachment	
Flange plate	No	Impact resistance	Holes 4 mm 7 J ATEX version
Integral fixing	Threaded holes M4	Lid	Yes
Lid attachment	M4 torx stainless steel screws with slot	Material	Aluminium AlSi12
Material thickness of cover	2.5 mm	Material thickness of enclosure	4 mm
Number of lid screws	4	Operating temperature, max.	135 °C
Operating temperature, min.	-60 °C	Protection degree	IP66, IP67
Seal material		Standards	IEC 60079-0, IEC 60079-7, IEC 60079-31, EN 45545-2:2013
	Silicone		
Surface finish	Powder-coated	Torque for lid screws	2.5 Nm

horizontal assembly

WDU 2,5 / ZDU 2,5 / IDU 2,5	1x23	WDU 4 / ZDU 4	1x19
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vertical assembly

WDU 2,5 / ZDU 2,5 / IDU 2,5	*	WDU 4 / ZDU 4	*
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Classifications

ETIM 6.0	EC002503	ETIM 7.0	EC002503
ETIM 8.0	EC002503	ETIM 9.0	EC002503
ECLASS 9.0	27-18-05-02	ECLASS 9.1	27-18-05-02
ECLASS 10.0	27-18-05-02	ECLASS 11.0	27-18-05-02
ECLASS 12.0	27-18-05-02	ECLASS 13.0	27-18-05-02

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	9e4cab4e-239c-4e14-b9df-a0fee300d28a

Approvals

Approvals



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www.weidmueller.com**Technical data****Downloads**

Approval/Certificate/Document of Conformity	CCC 2020322303000040 Klippon K Assembly Enclosure UKCA TÜV 22 UKEX 7094 U UKCA TÜV 22 UKEX 7095 X IBEXU12ATEX1145X IECEXIBE13.0001U IECEXIBE13.0002X TAE00002SM IBEXU12ATEX1144U INMETRO LMP 23.0527X - Terminal Box CAIXAS DE JUNÇÃO KLIPPON K INMETRO CERTIFICADO LMP 23.0526U - INVÓLUCROS VAZIOS Empty Enclosure KLIPPON K DoM Klippon K salt water resistance DoM Klippon K EN 45545-2 2013 Railway
Engineering Data	CAD data – STEP
Product Change Notification	Technical change to Klippon K® enclosure series Technische Änderung für Klippon® K Gehäuse 20240315-PCN-Klippon K Enclosure Instruction
Tender specification	Klippon K31 Ex RAL7001_1329680000_DE Klippon K31 Ex RAL7001_1329680000_EN
Catalogues	Catalogues in PDF-format
Brochures	

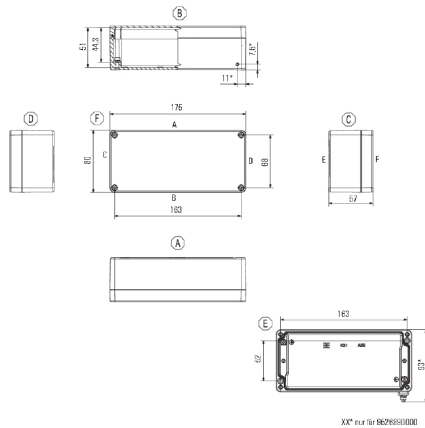
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Drawings

Dimensioned drawing



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Accessories

Depth 15 mm



The system accessories for the Klippon® K enclosure series allows you to easily adapt the enclosures to meet the specific requirements of every application.

- DIN Rails TS 35 and TS 15
- Mounting plates
- Hinges
- Wall-mounted holder

General ordering data

Type	TS35X15 ST K31	Version
Order No.	8000073089	Rail, TS 35, TS 35 x 15, Width: 164 mm, with slot, Steel, galvanic zinc plated and passivated
GTIN (EAN)	4064675337003	
Qty.	20 pc(s).	

Installation material



Integrate, expand and customise - the perfect supplement to every application

The fully structured range of system accessories for the new Klippon® TB enclosure series allows you to easily adapt the enclosures to meet the specific requirements of every application.

Mounting hardware kits

Mounting hardware kits are available for quick and easy installation of type label holders, document holders and rain hoods.

The **label fastening set – SD** is required to install a plastic (Trafolyte) ID or type label. With the aid of this set can you mount the ID or type label directly on the enclosure cover. The label fastening set has been specially developed for this purpose. Only by using this fastening set can you ensure that there will be no leaks into the enclosure or damage to the label.

The **universal fastening set – TPSD** has been developed to enable secure and quick installation of type label holders, rain covers or document holders, for example. By using this fastening set, the risk of leaks can be minimised, if not avoided.

General ordering data

Type	SD FIXING SET	Version
Order No.	1285200000	Klippon TB (Terminal Box), Identification plate fixing set, Height: 12 mm, Width: 12 mm, Depth: 16.4 mm, Material: Stainless steel, rust-proof, untreated, silver
GTIN (EAN)	4050118075472	
Qty.	1 pc(s).	
Type	TPSD FIXING SET KTB	Version
Order No.	1252190000	Klippon TB (Terminal Box), Type plate fixings set, Material: Stainless steel, rust-proof, untreated, silver
GTIN (EAN)	4050118043969	
Qty.	1 pc(s).	

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www.weidmueller.com**Accessories****Klippon® K - Mounting plates**

The system accessories for the Klippon® K enclosure series allows you to easily adapt the enclosures to meet the specific requirements of every application.

- DIN Rails TS 35 and TS 15
- Mounting plates
- Hinges
- Wall-mounted holder

General ordering data

Type	MOPL K31 STAHL	Version
Order No.	3073040000	Klippon K (aluminium empty enclosure), Mounting plate, Mounting
GTIN (EAN)	4008190857974	plate, Height: 67 mm, Width: 164 mm, Depth: 2 mm, Material: Sheet
Qty.	1 pc(s).	steel, galvanized, galvanized, silver

Klippon® K - Hinge

The system accessories for the Klippon® K enclosure series allows you to easily adapt the enclosures to meet the specific requirements of every application.

- DIN Rails TS 35 and TS 15
- Mounting plates
- Hinges
- Wall-mounted holder

General ordering data

Type	HG K+POK	Version
Order No.	1580360000	Klippon POK (polyester empty enclosure), External joint, Hinge,
GTIN (EAN)	4008190203542	Material: Aluminium AlSi12, silver
Qty.	1 pc(s).	

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Accessories

Screws



Depending on the terminal block or also accessories, we offer different types of screws as additional items or also spare parts.

General ordering data

Type	FKSC M4X6 D8/SW2	Version
Order No.	1567480000	SAK Series, Allen hex screw, Screws, Number of poles: 1
GTIN (EAN)	4008190033491	
Qty.	100 pc(s).	

TS 15



The system accessories for the Klippon® K enclosure series allows you to easily adapt the enclosures to meet the specific requirements of every application.

- DIN Rails TS 35 and TS 15
- Mounting plates
- Hinges
- Wall-mounted holder

General ordering data

Type	TS15 164 KLIPPON K31 CSS	Version
Order No.	1910040000	Rail, TS 15, Width: 164 mm, without slot, Steel, galvanized, chromium-plated
GTIN (EAN)	4032248536955	
Qty.	1 pc(s).	
Type	TS15X5 ST K31	Version
Order No.	8000003887	Rail, TS 15, Width: 164 mm, without slot, Steel, galvanic zinc plated and passivated
GTIN (EAN)	4050118652529	
Qty.	20 pc(s).	

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www.weidmueller.com**Accessories****Depth 7.5 mm**

The system accessories for the Klippon® K enclosure series allows you to easily adapt the enclosures to meet the specific requirements of every application.

- DIN Rails TS 35 and TS 15
- Mounting plates
- Hinges
- Wall-mounted holder

General ordering data

Type	TS35X7.5 ST K31	Version
Order No.	8000003898	Rail, TS 35, TS 35 x 7.5, Width: 164 mm, without slot, Steel, galvanic
GTIN (EAN)	4050118652604	zinc plated and passivated
Qty.	20 pc(s).	